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fabrication gaps in Canadian Industry



Ontario... Economic and Development dept.

**TRADE AND INDUSTRY BRANCH
ONTARIO DEPARTMENT OF
PLANNING & DEVELOPMENT**

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Since first issued as a bulletin in 1952, this report on "Fabrication Gaps in Canadian Manufacturing Industry" has developed into one of the most widely-sought sources of reference published by the Trade and Industry Branch.

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Fabrication gaps —

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The manufacturing industry is the foundation upon which the Canadian economy rests, accounting as it does for 55% of the net value of all commodity production.


Not only does this industry directly employ 26 out of every 100 working Canadians and is the leading wealth-producing industry in 7 out of the 10 Provinces, but manufacturing also generates the high level of economic activity which is the basis of national prosperity.

Canadian manufacturing industry in the decade of the 1960's will continue to be the dynamic force in the Canadian economy which it has proved to be in the past.

To-day, Ontario manufacturers produce 50% by value of Canada's total industrial output in a market containing over 1/3 of Canada's population. Manufacturing in the Province accounts for 2/3 of the net value of all commodity production. The continued growth of Ontario's prime industry and the employment of her growing population can be accomplished by fabricating for the Canadian market more "Made in Canada" products, that will replace imported products and employ Canadian labour and materials.

In 1959, Canada's total imports amounted to \$5.7 billion worth of goods and materials — 78% of which were in the form of fully-manufactured products.

This publication is a compilation of Canadian import statistics pertaining to specific manufactured commodities absorbed by the Canadian market during the period 1955 to mid-year 1959. An analysis of these recent import statistics may disclose to Canadian industries and investors alike opportunities for the manufacture of new products and the establishment of new industries. Also, American, British and European manufacturers might well discover opportunities, indicated by Canadian imports, for the fabrication of products in Canada consumed by the growing Canadian market.



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IMPORTS INTO CANADA BY MAIN COMMODITY GROUPS
and
PERCENTAGE DEGREE OF FABRICATION
1954 to 1958

Main Group		Value in \$ millions	Degree of Fabrication		
			Raw Materials	Partially Manufactured	Fully Manufactured
			%	%	%
Agricultural and Vegetable Products	1954	540.3	52	16	32
	1955	567.5	50	15	35
	1956	628.8	60	16	34
	1957	652.2	46	18	36
	1958	652.7	46	16	38
Animal and Animal Products	1954	85.4	45	17	38
	1955	107.8	49	17	34
	1956	122.1	47	17	36
	1957	124.6	43	17	40
	1958	128.9	46	15	39
Fibres, Textiles and Textile Products	1954	333.3	23	7	70
	1955	381.6	23	7	70
	1956	416.4	21	6	73
	1957	408.6	19	6	75
	1958	387.3	17	5	78
Wood, Wood Products and Paper	1954	166.0	4	18	78
	1955	196.0	5	20	75
	1956	228.2	7	22	71
	1957	225.9	6	19	75
	1958	235.6	4	20	76
Iron and Iron Products	1954	1,322.5	2	—	98
	1955	1,606.0	2	1	97
	1956	2,231.3	2	1	97
	1957	2,131.0	2	1	97
	1958	1,852.1	1	1	98
Non-Ferrous Metals and Products	1954	357.2	7	9	84
	1955	398.8	9	8	83
	1956	491.5	10	10	80
	1957	484.9	14	8	78
	1958	432.2	9	7	84
Non-Metallic Minerals and Products	1954	599.2	57	2	41
	1955	663.7	55	3	42
	1956	766.0	57	3	40
	1957	777.7	59	3	38
	1958	682.9	59	2	39
Chemicals and Allied Products	1954	220.4	—	1	99
	1955	260.5	—	1	99
	1956	288.6	—	1	99
	1957	293.8	—	1	99
	1958	290.4	—	—	100
Miscellaneous Commodities	1954	468.9	—	1	99
	1955	530.6	—	1	99
	1956	532.5	—	1	99
	1957	524.7	—	1	99
	1958	530.2	—	—	100
Total Imports	1954	4,093.2	19	5	76
	1955	4,712.4	18	5	77
	1956	5,710.5	17	5	78
	1957	5,623.4	18	5	77
	1958	5,192.3	17	5	78

— Dash indicates zero percent

MAJOR INDIVIDUAL ITEMS IN EACH OF THE MAIN GROUPS

Dollar value of Imports and major sources, 1955 to June 1959

Agricultural and Vegetable Products

	1955	1956	1957	1958	First Six Months 1959	Major Source
	Millions of Dollars					
Tomato paste, canned	2.1	3.9	4.4	3.1	.8	U.S.
Pickles	1.2	1.5	1.2	1.0	.4	U.S.
Cereal foods	1.4	1.4	1.3	1.2	.5	U.S.
Biscuits	4.2	4.2	4.9	5.6	2.5	U.K.
Confectionery, chocolate	3.5	3.8	4.1	4.7	1.8	U.K.
Confectionery, sugar candy	3.6	3.7	3.9	4.7	2.1	U.K.
Whisky	9.0	9.0	9.5	9.2	3.5	U.K.
Wines, non sparkling	3.6	4.2	4.8	5.3	2.3	France
Rubber mats and matting	1.2	1.4	1.2	1.5	.8	U.S.
Weatherstripping of rubber	1.2	1.4	1.2	1.0	.5	U.S.
Hose, rubber or rubberlined	1.9	2.6	2.7	2.3	1.1	U.S.
Tire casing, n.o.p.	7.6	9.8	6.6	5.9	2.6	U.S.
Manufacturers of rubber, n.o.p.	6.3	6.7	5.6	5.5	3.2	U.S.
Automotive parts of rubber, n.o.p.	1.6	1.7	1.9	1.9	1.0	U.S.

Animals and Animal Products

Dressed leather	4.4	4.5	4.3	4.3	3.2	U.S.
Men's leather boots	2.2	2.9	3.1	3.7	2.0	U.K.
Women's and children's boots and shoes	3.9	3.5	4.0	4.8	2.6	U.S.
Sausage casings, cleaned	3.2	4.9	4.6	4.0	1.5	N.Z.
Beef, canned	4.2	3.2	4.5	4.8	1.9	Aust.
Cheese	4.7	4.2	4.5	5.3	2.7	Swz.

Fibres, Textiles and Textile Products

Coloured cotton fabric	30.0	34.9	35.1	36.9	22.6	U.S.
Cotton denims	1.5	1.3	2.0	1.7	.8	U.S.
Cotton fabric, not bleached	8.5	9.6	10.1	10.5	5.0	U.S.
Canton flannels	1.8	2.3	2.3	2.4	1.2	U.S.
Cotton cheesecloth and gauze	3.0	3.3	3.5	3.4	1.8	U.S.
Cotton fabric, knitted	1.0	1.2	1.4	1.8	.8	U.S.
Cotton fabric cut, weft pile	1.9	2.0	2.5	2.8	1.1	U.S.
Lace, not coloured	1.6	1.4	1.1	.9	.6	Austria
Cotton clothing	7.1	9.9	11.0	12.6	8.1	Japan
Cotton quilts, counterpanes	1.3	1.3	1.2	1.2	.7	U.S.
Cotton sheets	1.1	1.2	.9	1.5	.8	U.S.
Cotton towels	3.3	3.5	3.9	3.5	1.6	U.S.
Cotton pillow cases	1.1	1.0	1.0	1.1	.4	Japan
Fabrics, jute unbleached, n.o.p.	11.4	11.0	10.7	11.1	5.5	India
Fabrics, silk, n.o.p.	1.6	2.7	3.1	3.1	1.7	U.S.

N.O.P. — not otherwise provided for.

Fibres, Textiles and Textile Products (continued)

	1955	1956	1957	1958	First Six Months 1959	Major Source
	Millions of Dollars					
Fabrics, silk for neckwear	2.1	2.1	2.1	1.9	1.1	U.S.
Carpets	10.1	11.9	11.6	10.0	5.2	U.K.
Sheets, tablecloths, towels, flax	1.3	1.2	1.2	1.0	.5	U.K.
Synthetic yarns, thread, n.o.p.	2.6	2.5	3.0	2.4	1.1	U.S.
Synthetic staple fibres	4.4	5.8	8.0	3.6	2.6	U.S.
Ribbons of synthetic fibres	1.1	1.3	1.2	1.2	.6	U.S.
Synthetic curtains and manufactures n.o.p.	4.4	5.7	6.7	7.2	3.4	U.S.
Cotton fabrics coated, n.o.p.	3.7	4.5	5.0	5.3	2.7	U.S.
Synthetic fabrics, fibre coated	3.5	3.7	4.1	4.4	2.0	U.S.
Hats, n.o.p.	1.2	1.5	1.5	1.7	1.1	U.S.
Carpets, n.o.p.	2.0	1.7	1.3	1.2	.6	U.S.
Flannels	2.3	2.6	3.2	2.7	1.6	U.K.
Overcoatings	1.5	2.5	4.2	4.2	2.3	U.K.
Tweeds	2.7	5.3	5.8	3.3	1.7	U.K.
Worsteds and serges	20.9	26.0	24.9	22.3	11.4	U.K.
Woven wool fabrics, n.o.p.	3.4	2.7	1.7	1.4	.8	U.K.
Wool clothing, all kinds	13.0	14.5	14.9	13.2	4.7	U.K.
Synthetic yarns for tire fabric	2.5	3.5	1.2	1.3	.9	Cuba
Synthetic fibre fabrics	21.3	22.3	22.5	23.8	12.3	U.S.
Clothing of synthetic fibre fabrics	10.9	7.5	7.7	9.9	7.7	Japan
Oilcloth and floor linoleum	7.8	5.9	5.7	6.8	3.9	U.K.
Corsets, girdles and brassieres	1.2	1.1	1.3	1.2	.7	U.S.

Wood, Wood Products and Paper

Furniture, mainly of wood	5.6	6.8	7.4	8.3	5.0	U.S.
Building and insulating board	4.8	6.0	5.6	4.5	2.2	U.S.
Hardwood flooring	3.1	2.7	2.1	3.1	1.8	U.S.
Sulphite pulp, unbleached	3.6	4.5	3.7	2.6	1.3	U.S.
Sulphite pulp, bleached, n.o.p.	1.4	1.3	1.4	1.2	.6	U.S.
Manufactures of wood, n.o.p.	3.8	4.6	4.8	5.1	2.7	U.S.
Container board for food	1.2	2.1	1.5	1.5	.9	U.S.
Pulpboard for manufacture of wallboard	2.7	2.7	2.9	3.2	1.0	U.S.
Pulpboard for containers	2.4	3.3	3.2	3.2	2.1	U.S.
Pulpboard other, fibreboard, n.o.p.	1.0	1.1	1.3	1.5	1.1	U.S.
Electric cable insulating paper	1.3	1.7	1.4	1.3	.8	U.S.
Photographers papers	2.6	3.5	3.7	3.6	2.1	U.S.
Paperboard containers, n.o.p.	3.3	3.9	3.5	3.4	1.5	U.S.
Manufactures of paper, n.o.p.	6.4	6.7	6.8	6.8	3.6	U.S.
Shipping containers	1.6	1.4	1.7	1.4	.4	U.S.

N.O.P. — not otherwise provided for.

Iron and Its Products

TABLE 1. Dollar value of Imports in the Sub-classifications of the Main Group.
"IRON AND ITS PRODUCTS"

	1956	1957	1958	First Six Months 1959
	Thousands of Dollars			
Iron Ore	38,722	36,387	28,932	10,770
Ferro-Alloys	6,226	4,979	4,213	3,321
Pigs, Ingots, Blooms & Billets	2,906	3,785	2,845	1,445
Scrap, Iron and Steel	41,299	19,398	8,749	10,636
Castings and Forgings	15,688	17,680	12,470	7,543
Roll Mill Products	234,709	221,257	147,491	73,604
Tubes, Pipes and Fittings	123,088	147,727	88,371	31,608
Wire	17,203	12,792	17,731	10,708
Chains	5,619	5,141	4,942	3,172
Engines and Boilers	132,325	138,451	134,603	72,597
Farm Implements & Machinery	232,148	202,230	198,292	156,312
Hardware and Cutlery	24,644	23,527	23,683	13,922
Machinery except Agricultural	620,914	631,600	532,929	295,396
Springs	393	255	273	128
Stamped & Coated Products	14,140	14,124	15,749	8,019
Tools and Hand Implements	32,778	36,227	34,741	17,305
Vehicles, chiefly of Iron	493,911	421,916	421,359	301,095
Other — Iron and Its Products	194,581	193,554	174,814	91,284
TOTAL	2,231,294	2,131,030	1,852,187	1,108,865

Iron and Its Products (continued)

TABLE II Dollar value of Imports of Selected Items from the Main Group
"IRON AND ITS PRODUCTS"

	1955	1956	1957	1958	First Six Months 1959	Major Source
	Millions of Dollars					
Steel wheels for railways	4.3	4.0	5.7	4.2	3.4	U.K.
Welding rods of all kinds	2.9	4.3	4.0	3.8	2.1	U.S.
*Steel bars Hot & Cold rolled					10.1	U.S.
*Plates					6.8	U.S.
*Sheets, Carbon, hot rolled					4.5	U.S.
*Sheets, Carbon, cold rolled					5.7	U.S.
*Sheets, coated					6.5	U.S.
*Sheets, alloy steel, n.o.p.					4.7	U.S.
*Sheet and strip silicon steel					4.1	U.S.
*Beams, bars and structural shapes					27.9	U.S.
*Pipes and tubes					26.2	U.S.
*Pipe fittings and couplings					5.4	U.S.
Wire for manufacture of wire rope	3.8	2.1	4.2	3.6	2.5	U.K.
Engines, diesel and semi-diesel	15.1	24.5	25.9	17.4	11.1	U.S.
Diesel engine parts, n.o.p.	9.9	15.2	16.4	14.9	8.2	U.S.
Boilers and parts	2.2	3.0	3.7	3.8	1.8	U.S.
Automobile engine and parts	19.6	15.7	12.8	11.9	6.1	U.S.
Motor truck engines and parts	8.5	13.6	9.9	8.0	7.4	U.S.
Aircraft engines	15.1	12.8	12.7	23.0	8.9	U.S.
Aircraft engine parts	18.1	20.1	22.6	22.1	11.3	U.S.
Outboard motors and parts	4.6	6.1	6.5	8.5	5.3	U.S.
Gas engines, n.o.p., and parts	8.4	11.5	15.9	14.3	7.9	U.S.
Steam engines, n.o.p., and parts	1.0	1.1	2.4	2.8	1.8	U.S.
Milking machines and parts	1.7	1.9	1.8	2.3	1.2	U.S.
Power dairy machinery	1.7	1.9	2.7	4.2	1.8	U.S.
Harvesters and parts	2.2	2.9	3.3	2.3	1.2	U.S.
Mowing machines and parts	2.3	2.6	2.5	2.7	2.3	U.S.
Cultivators, scufflers and parts	2.8	3.0	3.5	4.9	4.9	U.S.
Seeders, seed drills and parts	1.2	1.2	1.5	1.7	1.6	U.S.
Disc harrows and parts	1.1	1.2	.9	.9	.9	U.S.
Ploughs and parts, n.o.p.	2.6	2.2	1.8	2.4	1.9	U.S.
Combines, harvesters and parts	14.9	15.2	16.4	19.5	13.6	U.S.
Hay presses and parts	7.8	11.9	11.5	8.0	7.0	U.S.
Manure spreaders and parts	1.6	1.6	2.0	2.6	1.8	U.S.
Spraying and dusting machines	2.7	2.1	1.8	2.1	1.6	U.S.
Tractors, internal combustion	77.7	109.0	83.0	76.5	69.3	U.S.
Tractor parts and accessories	37.7	50.6	44.7	40.8	28.3	U.S.
Agricultural implements, n.o.p., & parts	10.2	12.5	13.0	15.4	10.6	U.S.
Nuts and bolts, washers and rivets	6.4	7.9	6.7	5.6	3.5	U.S.
Machine screws	2.3	2.6	2.4	1.9	1.3	U.S.
Electric vacuum cleaners	3.2	4.2	4.5	4.8	2.9	U.S.
Hand vacuum cleaners and parts	1.7	2.3	2.2	2.3	1.3	U.S.
Sewing machines, parts and attachments	6.3	7.3	7.0	7.9	3.4	U.S.
Washing machines and parts	6.7	8.8	9.2	8.2	5.2	U.S.
Loading machinery and conveyors for mines	8.5	17.6	18.3	11.8	7.0	U.S.
Rock drills and parts	2.7	3.0	3.2	2.0	1.1	U.S.
Well drilling machinery	44.8	73.3	51.6	37.4	19.3	U.S.
Adding machines and parts	2.3	2.6	2.4	2.2	1.4	U.S.

* Due to re-classification of items, annual totals are not available.
n.o.p. — not otherwise provided for.

Iron and Its Products (continued)

	1955	1956	1957	1958	First Six Months 1959	Major Source
	Millions of Dollars					
Bookkeeping machines and parts	10.7	15.1	17.3	14.1	9.0	U.S.
Cash registers and parts	2.3	2.6	2.7	2.8	2.0	U.S.
Dictating machines and parts	1.7	2.7	2.5	2.1	1.3	U.S.
Typewriters and parts	4.2	7.9	9.2	6.4	4.3	U.S.
Paper-working machinery	11.7	11.6	13.4	11.9	6.7	U.S.
Newspaper presses and parts	3.1	3.0	4.3	1.1	4.5	U.S.
Printing presses, n.o.p., and parts	8.4	9.3	10.1	10.1	5.3	U.S.
Type-casting machines and parts	2.0	2.7	2.5	2.3	1.4	U.S.
Air compressing machinery and parts	8.0	13.9	15.4	15.7	6.4	U.S.
Bakery machinery and parts	2.6	3.4	3.4	3.5	2.1	U.S.
Cranes, hoists and parts	10.0	15.3	17.0	11.5	5.2	U.S.
Refrigerating machinery and parts	6.2	8.0	7.4	8.1	5.1	U.S.
Logging machinery and parts	14.5	19.7	12.2	8.4	4.7	U.S.
Lawnmowers, power and hand, and parts	2.8	2.9	2.6	2.8	3.5	U.S.
Metal drilling machinery and parts	6.7	5.3	8.1	4.0	1.0	U.S.
Metal grinding machinery and parts	6.9	7.1	7.5	4.7	2.3	U.S.
Metalworking lathes and parts	5.4	7.5	8.0	4.6	2.3	U.S.
Metalworking presses and parts	5.5	7.9	8.9	7.5	3.1	U.S.
Metal rolling mill machinery and parts	3.8	6.1	10.4	9.7	5.1	U.S.
Metal sharpeners and slotters and parts	1.2	2.1	1.6	1.0	.3	U.S.
Metal working machinery, n.o.p., and parts	13.1	14.1	17.1	10.4	5.1	U.S.
Metal milling machines and parts	3.5	3.8	4.1	4.4	1.3	U.S.
Motion picture projectors	2.8	2.8	3.4	4.0	1.9	U.S.
Paper Mill machines and parts	7.3	12.8	15.1	13.0	3.0	U.S.
Power pumps, n.o.p., and parts	9.4	12.4	12.3	11.9	5.6	U.S.
Road-making machinery and parts	6.9	8.4	7.8	6.5	4.4	U.S.
Power shovels and parts	22.2	34.3	26.3	17.1	10.8	U.S.
Yarn, cord and fabric machinery and parts	15.0	20.1	23.0	16.6	10.5	U.S.
All machinery, n.o.p., and parts	93.2	123.1	129.4	128.2	68.6	U.S.
Air conditioning apparatus and parts	7.9	11.9	11.2	9.9	5.6	U.S.
Bottling machines and parts	2.2	3.7	3.9	2.7	1.4	U.S.
Bulldozers, earthmovers and parts	14.2	20.9	15.2	13.1	9.5	U.S.
Conveying equipment and parts	6.8	11.5	12.2	6.7	6.1	U.S.
Stonecrushing machinery and parts	3.3	5.4	4.5	4.3	2.8	U.S.
Woodworking machinery and parts	5.3	6.0	4.4	6.1	4.4	U.S.
Iron hollow-ware	4.5	4.6	4.3	3.9	1.8	U.S.
Manufactures of tin and tinplate, n.o.p.	3.0	3.1	3.4	5.1	3.1	U.S.
Augers, bits and drills	2.4	2.9	2.8	2.2	1.2	U.S.
Wrenches	2.5	3.3	3.0	2.8	1.5	U.S.
Adzes, cleavers, hatchets and planes	1.7	2.0	1.8	1.7	.9	U.S.
Engineers' precision tools	5.7	5.6	7.1	6.6	3.5	U.S.
Tools, n.o.p.	6.7	8.7	9.5	9.0	4.3	U.S.
Tools for use in machines	5.7	8.0	9.9	10.3	4.8	U.S.
New passenger automobiles	79.0	119.4	99.9	135.7	98.2	U.S.
Trucks	30.4	45.8	29.3	23.7	16.2	U.S.
Truck axles, brakes and clutches	15.6	26.3	20.3	17.9	14.8	U.S.
Automobile parts, n.o.p.	227.2	252.6	233.3	216.9	153.8	U.S.
Railway cars and parts — freight and passenger	14.0	6.1	8.3	5.7	2.8	U.S.
Factory and warehouse motor trucks	10.3	15.2	2.6	1.0	.8	U.S.
Ball and roller bearings for automobiles	2.9	3.6	3.1	3.5	2.8	U.S.

n.o.p. — not otherwise provided for.

Iron and Its Products (continued)

	1955	1956	1957	1958	First Six Months 1959	Major Source
	Millions of Dollars					
Roller bearings and parts	5.9	8.4	9.4	6.4	3.9	U.S.
Ball bearings and parts, n.o.p.	5.5	7.3	6.8	5.6	3.9	U.S.
Drums, cylinders, barrels, and tanks	2.8	3.5	2.6	2.4	1.3	U.S.
Steel bottles for gas	1.2	2.7	2.4	1.2	.8	U.S.
Metal furniture	7.6	9.1	8.6	8.8	5.2	U.S.
Safes and doors for vaults	1.3	1.2	1.3	1.5	.8	U.S.
Scales and balances	3.6	4.3	3.1	2.6	1.5	U.S.
Iron and steel valves, n.o.p.	7.8	12.6	14.9	11.6	5.4	U.S.
Gas cooking stoves	2.3	2.4	2.2	2.1	.9	U.S.
Electric cooking and heating apparatus, n.o.p.	6.1	4.1	8.7	9.2	4.1	U.S.
Cooking and heating apparatus parts, n.o.p.	11.3	14.6	12.2	13.3	8.0	U.S.
Industrial furnaces and parts	2.4	3.2	3.7	3.1	1.4	U.S.
Water heaters — all types — and parts	2.5	3.0	3.0	2.9	1.4	U.S.

Non-Ferrous Metals and Products

Aluminum pipe, tubes, plates, sheets and strip	3.8	12.3	4.7	5.4	3.5	U.S.
Aluminum household hollow-ware	2.0	1.4	1.8	1.6	.7	U.S.
Aluminum manufactures, n.o.p.	11.2	14.3	13.0	12.9	6.7	U.S.
Brass valves	4.0	4.8	4.4	4.4	2.4	U.S.
Brass manufactures, n.o.p.	13.1	14.7	11.8	11.8	6.3	U.S.
Nickel-plated ware, n.o.p.	1.2	1.7	1.6	1.7	1.0	U.S.
Nickel bars, rods, strips, sheets	3.1	4.5	3.5	3.6	1.7	U.S.
Electro-plated and gilt-ware	15.5	16.9	12.9	13.6	6.9	U.S.
Zinc manufactures, n.o.p.	2.1	2.5	2.3	2.2	1.1	U.S.
Clocks and clock parts	2.5	2.9	2.1	1.7	.8	U.S.
Watches and watch parts	8.1	9.1	9.9	8.8	3.5	Swz.
Electric heating apparatus, n.o.p.	1.5	2.1	2.2	2.0	1.0	U.S.
Dynamos, generators and parts, n.o.p.	10.2	15.6	17.1	12.1	5.5	U.S.
Lights, head, side and tail, and torches	1.5	1.5	2.0	1.8	.3	U.S.
Electric light fixtures, n.o.p.	6.1	6.6	6.6	6.9	3.5	U.S.
Electric motors and parts	13.1	20.3	21.0	16.2	6.5	U.S.
Electric meters and parts	2.5	3.6	2.7	2.8	1.4	U.S.
Rheostats, controllers and starters	8.6	12.6	11.1	10.2	6.0	U.S.
Electric sockets, outlets and receptacles	2.6	2.8	2.1	1.9	1.0	U.S.
Switches, switchboards and parts	11.4	17.4	14.7	12.0	6.3	U.S.
Telegraph apparatus and parts	2.7	7.5	8.0	4.6	2.6	U.S.
Telephone apparatus and parts	12.2	16.5	18.1	15.0	6.0	U.S.
Transformers and parts, n.o.p.	6.6	10.1	10.4	8.1	3.7	U.S.
Radio tubes	12.6	8.9	6.5	7.4	4.1	U.S.
Radio tube parts	6.3	7.3	5.7	7.1	4.1	U.S.
Radio receiving sets	1.3	2.2	2.9	6.5	4.6	U.S.
Radio apparatus, n.o.p.	61.0	44.7	34.1	33.3	16.8	U.S.
Electric shavers	3.6	3.8	4.7	3.7	1.4	U.S.
Electric apparatus, n.o.p.	24.4	28.5	32.3	30.6	16.7	U.S.
Electric precision apparatus	7.2	9.2	13.1	15.8	5.9	U.S.
Electric or gas welding apparatus	4.9	7.5	7.4	5.5	3.3	U.S.
Radio set parts	8.9	6.8	6.1	6.2	3.0	U.S.
Sound equipment	2.8	4.0	2.8	3.0	1.8	U.S.

n.o.p. — not otherwise provided for.

Non-Ferrous Metals and Products (continued)

	1955	1956	1957	1958	First Six Months 1959	Major Source
Millions of Dollars						
Buckles, clasps, eyelets and hooks	1.4	1.7	1.8	1.8	1.0	U.S.
Elements for lamp filaments	1.2	1.5	1.4	1.1	.7	U.S.
Covered non-ferrous wire	4.5	9.0	6.9	6.8	3.6	U.S.
Storage batteries and parts, n.o.p.	2.2	2.0	2.3	1.8	1.0	U.S.
Fuses, fuse plugs, cutouts and parts	1.0	1.4	1.4	1.3	.5	U.S.
Electric steam generators and parts	4.7	6.5	3.7	12.2	5.7	U.K.

Non-Metallic Minerals and Products

Asbestos, manufactures, n.o.p.	2.9	3.9	3.9	3.0	1.1	U.S.
Fire brick, various types	11.0	14.6	14.4	10.0	5.8	U.S.
Tableware of china and porcelain	13.3	13.9	12.9	14.2	7.5	U.K.
Artificial teeth, not mounted	1.1	1.3	1.2	1.4	.7	U.S.
Baths, bathtubs, basins, etc.	4.3	5.9	4.2	4.7	2.1	U.S.
Glass carboys, bottles and jars	6.0	6.8	6.9	8.1	3.4	U.S.
Sheet glass, transparent	5.4	5.7	3.2	5.1	2.4	Belg.
Plate glass	12.0	12.7	11.4	11.8	9.3	U.S.
Glass tableware, cut glass, n.o.p.	3.1	3.4	3.8	4.3	1.9	U.S.
Lamp bulbs and tubing	2.3	2.4	2.6	2.6	1.5	U.S.
Moulded shapes for electric fixtures	1.5	1.7	1.6	1.8	1.0	U.S.
Mirrors of glass	1.0	1.3	1.6	1.5	.9	U.S.
Manufactures of glass, n.o.p.	2.5	3.3	3.4	3.5	1.5	U.S.
Aviation gasoline	22.1	21.4	24.3	16.0	6.2	U.S.
Light fuel oils, Nos. 2 and 3	32.6	28.7	27.7	25.3	6.4	U.S.
Heavy fuel oils, Nos. 4, 5 and 6	22.0	25.4	25.8	16.5	6.5	U.S.
Diesel fuel	8.8	7.7	6.6	6.1	1.5	U.S.
Grinding wheels, bonded	2.0	2.1	1.9	1.8	1.1	U.S.
Portland cement	8.4	8.1	1.9	1.0	.4	U.S.
Heat resisting glassware	3.2	4.2	4.5	4.9	2.7	U.S.

Chemicals and Allied Products

Cellulose acetate photo film	1.3	1.1	1.2	1.3	.7	U.S.
Antibiotics, n.o.p.	2.9	2.9	4.0	4.4	1.9	U.S.
Chemical compounds for dyeing, tanning, n.o.p.	1.5	1.6	1.7	1.4	.6	U.S.
Nitrogen solution	2.2	2.0	1.9	1.4	.7	U.S.
Triple superphosphate	1.6	1.7	2.0	2.0	1.3	U.S.
Superphosphate, n.o.p.	3.3	3.4	3.1	3.3	1.1	U.S.
Titanium oxide	10.5	12.6	10.8	8.5	4.6	U.S.
Carbon black	3.0	2.6	2.6	2.2	1.3	U.S.
Oxides, fillers, colours, dry, n.o.p.	3.8	3.6	3.3	3.4	2.1	U.S.
Liquid fillers and paints, n.o.p.	2.2	2.7	2.4	3.0	1.5	U.S.
Chlorine liquid, chlorine gas	2.2	1.9	1.9	1.3	.7	U.S.
Cleaning compounds, sodium base	1.4	2.0	2.4	2.7	1.2	U.S.
Sodium compounds, n.o.p.	1.6	1.8	2.0	2.3	1.2	U.S.
Printing ink	1.0	1.0	1.2	1.2	.6	U.S.

n.o.p. — not otherwise provided for.

Chemicals and Allied Products (continued)

	1955	1956	1957	1958	First Six Months 1959	Major Source
	Millions of Dollars					
Other drugs, chemicals, n.o.p.	60.0	58.1	64.8	63.0	41.1	U.S.
Weed killing preparations	2.4	2.9	3.4	3.1	.2	U.S.
Dips, sprays and disinfectants	7.6	7.8	8.4	8.4	6.9	U.S.
Medicinal preparations	8.1	8.9	9.2	9.6	5.3	U.S.
Penicillin and products	.7	.9	.8	.7	.4	U.S.
Aniline dyes	8.0	7.7	7.6	8.0	4.3	U.S.
Caustic soda in solution	3.4	3.1	2.3	1.5	.9	U.S.
Synthetic resins	18.7	22.0	23.3	25.4	13.3	U.S.
Synthetic resin compounds, mouldings etc.	4.5	4.6	4.4	6.0	4.8	U.S.
Synthetic or protein plastics—primitive shapes	7.5	9.5	9.6	9.7	5.2	U.S.
Manufactures of synthetic resins or protein plastics	11.6	14.6	16.1	20.3	11.7	U.S.
Materials for plastics, n.o.p.	6.1	8.6	9.6	10.2	6.3	U.S.
Butadiene	2.9	5.3	6.4	3.8	.7	U.S.
Petroleum refining catalysts	5.0	6.5	6.5	2.8	1.2	U.S.
Cellulose plastic, primitive shapes	1.3	1.6	1.6	1.6	1.0	U.S.
Manufactures of cellulose plastics, n.o.p.	1.4	1.6	2.0	2.1	1.1	U.S.
Manufactures of regenerated cellulose, n.o.p.	1.8	1.7	1.9	1.7	1.0	U.S.
Synthetic resin composition, n.o.p.	1.7	1.7	2.1	2.2	1.3	U.S.
Synthetic resin shapes, reinforced	1.6	1.5	2.0	2.2	1.6	U.S.

Miscellaneous Commodities

X-ray films	1.9	2.4	3.2	2.8	1.8	U.S.
Photographers' films	3.1	4.0	5.8	6.6	3.3	U.S.
Mechanical toys of metal	2.2	3.0	2.6	2.4	.8	Japan
Toys of all kinds, n.o.p.	7.0	7.2	8.4	8.9	3.2	U.S.
Sportsmen's fishing tackle, n.o.p.	3.0	3.5	3.9	4.6	3.6	U.S.
Buttons, n.o.p.	1.1	1.2	1.3	1.2	.8	U.S.
Appliances and parts for the deaf	1.7	2.1	2.3	2.8	1.4	U.S.
Jewellery, n.o.p.	5.5	5.8	5.3	5.4	2.3	U.S.
Pocketbooks, portfolios and purses	3.9	4.7	5.3	6.2	3.3	U.S.
Electric refrigerators, n.o.p.	17.8	18.7	16.0	16.7	9.8	U.S.
Refrigerator parts	16.1	17.0	11.6	9.6	8.3	U.S.
Spectacle frames and parts, n.o.p.	2.6	3.0	3.1	3.0	1.8	U.S.
Electric, farm or home freezers	9.6	8.5	7.2	8.3	4.5	U.S.
X-ray apparatus	3.5	3.6	4.0	4.7	2.1	U.S.
Cameras and camera parts, n.o.p.	5.3	5.7	6.8	7.5	3.2	U.S.
Operating room equipment	3.1	3.9	4.2	4.4	2.4	U.S.
Dental instruments	1.5	1.9	2.3	3.0	1.2	U.S.
Optical and philosophical instruments	4.3	5.5	4.6	4.9	2.4	U.S.
Surgical instruments	5.0	5.1	5.5	6.5	4.1	U.S.
Aircraft parts (except engines and parts)	86.7	72.4	75.4	68.8	32.5	U.S.
Aircraft	51.4	18.9	18.3	26.0	16.1	U.S.
Photographic accessories, parts	3.4	5.5	5.9	6.2	3.3	U.S.
Thermometers	1.1	1.3	1.3	1.4	.7	U.S.
Wheelbarrows, hand trucks, carts	1.3	1.2	1.3	1.3	.8	U.S.
Miners rescue appliances	1.6	2.0	2.1	1.7	1.1	U.S.
Sheet safety glass adhesives	1.2	1.2	1.1	.9	.6	U.S.

n.o.p. — not otherwise provided for.

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